

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SI07P001WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/053321	International filing date (day/month/year) 07/12/2004	(Earliest) Priority Date (day/month/year) 12/12/2003
Applicant SIRENADE PHARMACEUTICALS AG		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box II).

3. Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b. none of the figures is to be published with the abstract.

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International application No.

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material
 - in written format
 - in computer readable form
 - c. time of filing/furnishing
 - contained in the international application as filed
 - filed together with the international application in computer readable form
 - furnished subsequently to this Authority for the purpose of search
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

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International Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/48 G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, CHEM ABS Data, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ✓	US 2003/162222 A1 (MATHES RUTH ET AL) 28 August 2003 (2003-08-28) p.5, paragraph 0080 ----- WO 00/42042 A (UNIV PRINCETON) 20 July 2000 (2000-07-20) page 83, line 23 - page 89, line 2 ----- VIOLETTE SHELIA M ET AL: "A Src SH2 selective binding compound inhibits osteoclast-mediated resorption" CHEMISTRY AND BIOLOGY (LONDON), vol. 7, no. 3, March 2000 (2000-03), pages 225-235, XP002280201 ISSN: 1074-5521 p.228, section "Effect of compounds....transformed cells" to end of this section on p. 229 ----- -/-	1-22 1-21 1-21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
19 May 2005	06/06/2005

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Jacques, P

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HANKE J H ET AL: "DISCOVERY OF A NOVEL, POTENT, AND SRC FAMILY-SELECTIVE TYROSINE KINASE INHIBITOR" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 271, no. 2, 12 January 1996 (1996-01-12), pages 695-701, XP002051826 ISSN: 0021-9258 the whole document -----	22-27
X	NECKERS LEN: "Hsp90 inhibitors as novel cancer chemotherapeutic agents." TRENDS IN MOLECULAR MEDICINE. ENGLAND 2002, vol. 8, no. 4 Suppl, 2002, pages S55-S61, XP002280254 ISSN: 1471-4914 p.S58, left-hand column, two first lines. abstract -----	22-27
X	SAWYER T ET AL: "SRC INHIBITORS: GENOMICS TO THERAPEUTICS" EXPERT OPINION ON INVESTIGATIONAL DRUGS, ASHLEY PUBLICATIONS LTD., LONDON, GB, vol. 10, no. 7, July 2001 (2001-07), pages 1327-1344, XP009003824 ISSN: 1354-3784 p. 1335, section 5.3 and p. 1338, section 6.figure 7 -----	22-27
X	SUSVA M ET AL: "Src inhibitors: drugs for the treatment of osteoporosis, cancer or both?" TRENDS IN PHARMACOLOGICAL SCIENCES, ELSEVIER TRENDS JOURNAL, CAMBRIDGE, GB, vol. 21, no. 12, 1 December 2000 (2000-12-01), pages 489-495, XP004226381 ISSN: 0165-6147 tables 1,2 -----	22-27
A	YONEDA T ET AL: "HERBIMYCIN A, A PP60C-SRC TYROSINE KINASE INHIBITOR, INHIBITS OSTEOCLASTIC BONE RESORPTION IN VITRO AND HYPERCALCEMIA IN VIVO" JOURNAL OF CLINICAL INVESTIGATION, NEW YORK, NY, US, vol. 91, June 1993 (1993-06), pages 2791-2795, XP000983736 ISSN: 0021-9738 the whole document -----	22-27

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Information on patent family members

International Application No

PCT/EP2004/053321

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2003162222	A1	28-08-2003	DE AT AU CA DE WO EP	10024174 A1 288081 T 6031401 A 2409809 A1 50105206 D1 0188530 A2 1282827 A2		29-11-2001 15-02-2005 26-11-2001 15-11-2002 03-03-2005 22-11-2001 12-02-2003

WO 0042042	A	20-07-2000	AT AU AU CA DE DE DE DK EP EP ES JP WO US US AU CA EP JP WO US	248170 T 779008 B2 2605300 A 2369895 A1 1140938 T1 60004781 D1 60004781 T2 1140938 T3 1140938 A2 1321467 A2 2206191 T3 2002534524 T 0042042 A2 2003073218 A1 6383790 B1 6362000 A 2380179 A1 1196626 A2 2003521890 T 0107659 A2 6610483 B1		15-09-2003 23-12-2004 01-08-2000 20-07-2000 09-01-2003 02-10-2003 08-07-2004 22-12-2003 10-10-2001 25-06-2003 16-05-2004 15-10-2002 20-07-2000 17-04-2003 07-05-2002 13-02-2001 01-02-2001 17-04-2002 22-07-2003 01-02-2001 26-08-2003
